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(54) Title: METHODS AND KITS FOR MAKING DOUBLE STRANDED RIBONUCLEIC ACIDS

(57) Abstract: Embodiments of the present invention are directed to methods and kits for the generation of double stranded RNA by RNA dependent RNA polymerases. The methods and kits feature exponential generation of such RNAs through simple steps. The RNA is suitable for interference with expression in cells.

WO 2004/058941 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : C12Q 1/68; C12P 19/34; C07H 21/04, 21/00 US CL : 435/6, 91.1, 91.2; 536/22.1, 24.1		
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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/6, 91.1, 91.2; 536/22.1, 24.1		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	AGRAWAL et al. Microbiology and Molecular Biology Reviews, December 2003, Vol. 67(4), pages 657-685.	1-26
X	US 5,744,308 A (GUILLOU-BONNICI et al.) 28 April 1998 (28, 04, 1998), column 11, lines 61-67 to column 12, lines 1-29.	1-2, 5, 8-9
X	US 5,620,851 A (AXELROD et al.) 15 April 1997 (19, 04, 1997), column 12, lines 9-14 and column 17, claims 19 and 21	14-22
Y	US 5,637,459 A (BURKE et al.) 10 June 1997 (10, 06, 1997), column 2, lines 30-44, column 4, lines 5-11, column 6, lines 40-51.	10-12 and 23-25
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Continuation of B. FIELDS SEARCHED Item 3:

WEST 2.0 AND STN SEARCHED:

USPATFUL, MEDLINE, CAPLUS, EMBASE, BIOSIS

search terms: RNA polymerase, modification, nucleotide, amplification, 2'-O-methyl, 2'-fluoro, 2'-amino, 2'-azido